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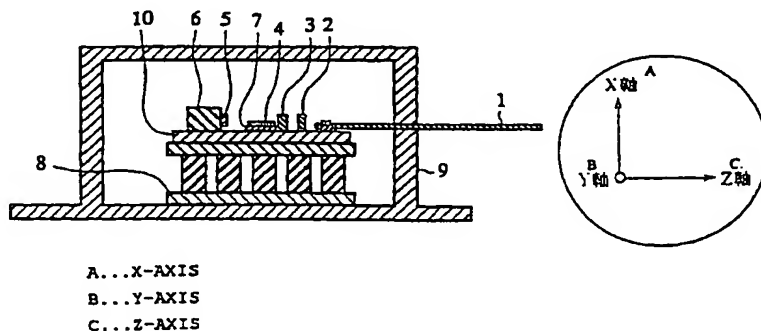
PCT

(10) 国際公開番号  
WO 01/65293 A1

- (51) 国際特許分類<sup>7</sup>: G02B 6/42, 6/32 (74) 代理人: 田澤博昭, 外(TAZAWA, Hiroaki et al.); 〒100-0013 東京都千代田区霞が関三丁目7番1号 大東ビル7階 Tokyo (JP).
- (21) 国際出願番号: PCT/JP01/01527
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- 添付公開書類:  
— 国際調査報告書
- 2文字コード及び他の略語については、定期発行される各PCTガゼットの巻頭に掲載されている「コードと略語のガイダンスノート」を参照。

(54) Title: OPTICAL SEMICONDUCTOR MODULE AND OPTICAL AMPLIFIER

(54) 発明の名称: 光半導体モジュールおよび光増幅器



(57) Abstract: An optical semiconductor module uses a first lens and a second lens. The face of incidence of the second lens is cylindrical so that the mode field of an optical fiber can be converted to be elliptical. Consequently, the light from an optical semiconductor element is coupled efficiently to an optical fiber.

[続葉有]

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# INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP01/01527

A. CLASSIFICATION OF SUBJECT MATTER  
Int.Cl<sup>7</sup> G02B6/42, G02B6/32

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl<sup>7</sup> G02B6/42, G02B6/32

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
Jitsuyo Shinan Koho 1922-1996 Toroku Jitsuyo Shinan Koho 1994-2001  
Kokai Jitsuyo Shinan Koho 1971-2001 Jitsuyo Shinan Toroku Koho 1996-2001

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP, 53-116166, A (Fujitsu Limited), 11 October, 1978 (11.10.78) (Family: none)	1-10
Y	Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No.5310/1975 (Laid-open No.87440/1976) (NEC Corporation), 13 July, 1976 (13.07.76) (Family: none)	1-10
Y	JP, 11-2746, A (Sumitomo Electric Industries, Ltd.), 06 January, 1999 (06.01.99) (Family: none)	5, 7
Y	JP, 9-153659, A (Sumitomo Electric Industries, Ltd.), 10 June, 1997 (10.06.97) (Family: none)	6
A	JP, 63-172107, A (Omron Tateishi Electronics Co.), 15 July, 1988 (15.07.88) (Family: none)	1-10
A	JP, 60-61707, A (Nippon Telegr. & Teleph. Corp. <NTT>), 09 April, 1985 (09.04.85) (Family: none)	1-10

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

\* Special categories of cited documents:  
"A" document defining the general state of the art which is not  
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considered to involve an inventive step when the document is  
combined with one or more other such documents, such  
combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search  
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Name and mailing address of the ISA/  
Japanese Patent Office

Authorized officer

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